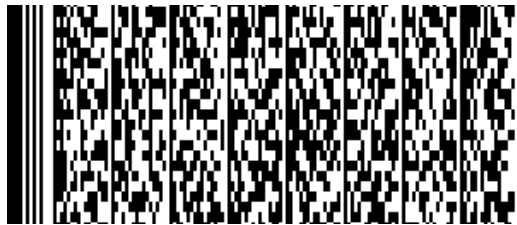


## App Project Proposal: Automatic Contact List

Almost everyone in our country has some form of ID. Whether it is a state issued drivers license, or some sort of identification card, this ID comes along with us wherever we go – It's illegal to drive without valid ID and credentials, and in some situations you can even get in trouble for not having your ID. I'm proposing an app that will leverage that fact that everyone always has an ID and a phone on them at all times.

To take advantage of everyone's identification card, I plan to create an app that can harvest data from the barcode on the back of a user's ID (PDF417 linear barcode) using an Android device camera.



Once this barcode is decoded and parsed, the app will be able to determine several pertinent bits of a person's information:

- *Name (first, middle, last)*
- *Address*
- *Eye Color*
- *Hair Color*
- *Sex*
- *Birthday*
- *Age*

That information will then be populated into a profile in which the user can save a contact (they can also manually add in a phone number). The user will also have an option to search utilize Facebook (Facebook Graph API user search) for a contact picture. The user will be able to find and select a person's profile picture from a list and save it to the contact list. The contact list will be backed by a SQLite database, and each contact will contain a geotag upon saving.